

Application No.: 10/692,470

Docket No.: JCLA12417

Amendment**In The Claims:**

Please amend the claims as follows:

Claim 1. (Currently amended) A porous polyolefin membrane formed by melting and kneading a resin composition containing a polyolefin resin (C) consisting of 30-90 wt % crystalline polypropylene (A) and 10-70 wt % propylene- α -olefin copolymer (B), dispersed in said crystalline polypropylene (A), wherein a ratio of the melt flow rate of said crystalline polypropylene (A) MFR_{pp} to that of said propylene- α -olefin copolymer (B) MFR_{RC} is between 0.1 and 10, to obtain a film-shaped melt, and forming a membrane from said melt at a draft ratio range being from 1 to 10, followed by stretching said membrane at least in one direction, which contains continuous pores in the region consisting of said copolymer (B).

Claim 2 (cancelled)

Claim 3. (original) A porous polyolefin membrane according to claim 1, wherein a draft ratio range at forming said membrane from said melt is from 1 to 3.

Claim 4. (original) A porous polyolefin membrane according to claim 1, wherein the melt flow rate ratio MFR_{pp}/MFR_{RC} is between 0.2 and 5.

Claim 5. (original) A porous polyolefin membrane according to claim 1, wherein said resin composition contains a polyolefin resin (C) consisting of 40-70 wt % crystalline polypropylene (A) and 30-60 wt % propylene- α -olefin copolymer (B).

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Claim 6. (original) A porous polyolefin membrane according to claim 1, wherein said propylene- α -olefin copolymer (B) contains 30-80 wt % of propylene.

Claim 7. (original) A porous polyolefin membrane according to claim 1, wherein said propylene- α -olefin copolymer (B) contains 40-70 wt % of propylene.

Claim 8. (original) A porous polyolefin membrane according to claim 1, wherein said polyolefin resin (C) is obtained by a multistage polymerization process containing a first step to produce said crystalline polypropylene (A) and an immediately ensuing second step to produce said propylene- α -olefin copolymer (B).

Claim 9. (original) A porous polyolefin membrane according to claim 1, wherein the air resistance (Gurley) is between 1 and 2,000 sec/100 mL and the moisture permeability is between 1,000 and 20,000 g/m²·24 h.

Claim 10. (original) A porous polyolefin membrane according to claim 1, wherein a temperature at the membrane-break (T_b) is equal to or higher than 150°C and a difference between the membrane-break temperature (T_b) and a pore-shutdown temperature (T_s) is equal to or less than 20°C.

Claim 11. (original) A porous polyolefin membrane formed by melting and kneading a resin composition substantially containing only a polyolefin resin (C) consisting of 30-70 wt % crystalline polypropylene (A) and 30-70 wt % propylene- α -olefin copolymer (B), dispersed in said

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crystalline polypropylene (A), wherein the ratio of the melt flow rate of said crystalline polypropylene (A) MFR_{pp} to that of said propylene- α -olefin copolymer (B) MFR_{RC} is higher than 10 and equal to or less than 1,000, to obtain a film-shaped melt, and forming a membrane from said melt, followed by stretching said membrane at least in one direction, which contains continuous pores in the region consisting of said copolymer (B).

Claim 12. (original) A porous polyolefin membrane according to claim 11, wherein the draft ratio range at forming a membrane from said melt is from 1 to 10.

Claim 13. (original) A porous polyolefin membrane according to claim 11, wherein the draft ratio is between 1 and 5.

Claim 14. (original) A porous polyolefin membrane according to claim 11, wherein said propylene- α -olefin copolymer (B) contains 30-80 wt % of propylene.

Claim 15. (original) A porous polyolefin membrane according to claim 11, wherein said propylene- α -olefin copolymer (B) contains 40-70 wt % of propylene.

Claim 16. (original) A porous polyolefin membrane according to claim 11, wherein said polyolefin resin (C) is obtained by a multistage polymerization process containing a first step to produce said crystalline polypropylene (A) and an immediately ensuing second step to produce said propylene- α -olefin copolymer (B).

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Claim 17. (original) A porous polyolefin membrane according to claim 11, wherein the air resistance (Gurley) is between 10 and 20,000 sec/100 mL and the moisture permeability is between 200 and 10,000 g/ m²·24 h.